<u>AMENDMENTS TO THE CLAIMS</u>

Upon entry of this amendment, the following listing of claims will replace all prior versions and listings of claims in the pending application.

IN THE CLAIMS

Please amend claims 84, 87, 90, 92, and 95 as follows:

1.   (Previously Presented) A method for establishing a secure communication channel between a client and an application server comprising the steps of:

(a)   receiving, at a web server, a request from a client to have an application program executed on an application server and to have output from said application program executing on said application server transmitted to said client;

(b)   generating, by a ticket service, a ticket having an identifier and a session key;

(c)   obtaining, by said web server, said ticket from said ticket service;

(d)   transmitting, by said web server, said ticket to said client over a secure communication channel;

(e)   transmitting, by said client, said identifier from said ticket to said application server;

(f)   obtaining, by said application server, a copy of said session key from said ticket service using said identifier;

(g)   establishing an application communication channel between said client and said application server;

(h)   executing, by said application server, said application program identified in said request;

(i)   transmitting, by said application server, output of said application program over

said application communication channel via a remote display protocol; and

(j)   encrypting said output communicated to said client over said application

communication channel using said session key.

2.   (Canceled).

3.   (Canceled).

4.   (Previously Presented) The method of claim 1 wherein said ticket service resides on said

web server.

5.   (Previously Presented) The method of claim 1 wherein step (f) further comprises

transmitting, by said application server, said identifier to said web server over a server

communication channel.

6.   (Previously Presented) The method of claim 5 further comprising receiving, by said

application server, a response to transmitting said identifier to said web server, said response

including said session key.

7.   (Previously Presented) The method of claim 5 further comprising validating, by said web

server, said identifier.

8.   (Previously Presented) The method of claim 7 wherein said validating step further

comprises confirming by said web server that said identifier is received by said web server

within a predetermined time frame.

9.   (Original) The method of claim 1 wherein said session key is substantially equivalent to a

null value.

10.   (Original) The method of claim 9 wherein said null value is a constant value.

11.   (Previously Presented) The method of claim 5 further comprising establishing said server communication channel as a secure communication channel.

12.   (Previously Presented) A method for establishing a secure communication channel between a client and an application server comprising the steps of:

(a)   transmitting to a web server a request to have an application server execute an application program and transmit output from said application program executing on said application server;

(b)   establishing a secure web communication channel between a web browser executing on said client and said web server;

(c)   receiving a ticket having an identifier and a session key from said web server over said secure web communication channel;

(d)   establishing an application communication channel with said application server over said application communication channel;

(e)   transmitting said identifier from said ticket to said application server over an application communication channel to provide said application server with information for obtaining a copy of said session key;

(f)   receiving output of said application program, identified in said request, from said application server over said application communication channel via a remote display protocol; and

(g)   decrypting said output using said session key.

13.   (Previously Presented) A method for establishing a secure communication channel between a client and an application server comprising the steps of:

(a)   receiving a request from a web server to execute an application program on behalf of a client and transmit to said client output from said application program executing on said application server;

(b)   receiving an identifier from said client;

(c)   obtaining from said web server a copy of a session key associated with said identifier;

(d)   establishing an application communication channel with said client;

(e)   executing said application program identified in said request;

(f)   transmitting output of said executing application program over said application communication channel via a remote display protocol; and

(g)   encrypting said output using said session key.

14.   (Canceled).

15.   (Previously Presented) The method of claim 13 wherein step (b) comprises receiving a nonce from said client.

16.   (Canceled).

17.   (Original) The method of claim 13 wherein said ticket is generated by a ticket service.

18.   (Original) The method of claim 13 wherein said identifier is an application server certificate.

19.   (Canceled).

20.   (Previously Presented) The method of claim 13 wherein step (b) further comprises receiving a password to from said client .

21.   (Canceled).

22.   (Previously Presented) A communications system for establishing a secure

communication channel between a client and an application server comprising:

       a ticket service generating a ticket associated with a client, said ticket having an identifier

and a session key;

       a web server in communication with said ticket service;

       said web server receiving a request from said client to have an application program

executed on an application server, obtaining said ticket from said ticket service, and transmitting

said ticket to said client over a secure communication channel;

       said client transmitting said identifier from said ticket to said application server;

       said application server obtaining a copy of said session key from said ticket service using

said identifier;

       said client and said application server establishing an application communication channel,

said application server executing said application program identified in said request and

transmitting output from said executing application program over said application

communication channel via a remote display protocol; and

       said client and said application server encrypting communications using said session key.

23.   (Previously Presented) The system of claim 22 wherein said ticket service resides on said

web server.

24.   (Previously Presented) The system of claim 22 further comprising said application server

transmitting said identifier to said web server over a server communication channel.

25.   (Previously Presented) The system of claim 24 further comprising said application server

requesting a copy of said session key in response to receiving said identifier from said client.

26.   (Previously Presented) The system of claim 25 further comprising said web server validating said identifier.

27.   (Previously Presented) The system of claim 26 wherein said web server validates said identifier has not been previously received from said application server.

28.   (Previously Presented) The system of claim 26 wherein said web server validates said identifier when said identifier is received by said - web server within a predetermined time frame.

29.   (Previously Presented) The system of claim 27 further comprising said web server transmitting said session key to said application server over said server communication channel.

30.   (Previously Presented) The system of claim 24 wherein said server communication channel is a secure communication channel.

31.   (Previously Presented) The system of claim 25 further comprising said web server transmitting additional information to said application server over said server communication channel.

32.   (Previously Presented) The system of claim 31 wherein said additional information comprises login information of a user of said client.

33.   (Previously Presented) The system of claim 32 wherein said additional information comprises a name of a software application executing on said application server.

34.   (Canceled).

35.   (Previously Presented) The system of claim 22 further comprising said client transmitting a password to said application server.

36.   (Previously Presented) The system of claim 22 further comprising said ticket service transmitting information corresponding to at least one of said client and a user operating said client to said application server.

37.   (Previously Presented) A communications system for establishing a secure

communication channel between a client and an application server comprising:

        a web browser on a client establishing a secure web communication channel with a web

server, said web browser: transmitting to said web server a request to have an application server

execute an application program and transmit to said client output of said application program

executing on said application server; receiving a ticket associated with said client from said web

server, said ticket having an identifier and a session key; and transmitting said identifier from

said ticket to said application server; and

        an application client on said client establishing an application communication channel

with said application server, said application client receiving output of said application program,

identified in said request, executing on said application server, over said application

communication channel via a remote display protocol and decrypting said output using said

session key.

38.   (Previously Presented) The system of claim 37 wherein said web browser receives

additional information from said web server over said secure web communication channel.

39.   (Previously Presented) The system of claim 38 wherein said additional information

further comprises an address of said application server.

40.   (Previously Presented) The system of claim 37 wherein said application client transmits a

password of a user operating said client to said application server.

41.   (Previously Presented) The system of claim 37 wherein said identifier is an application

server certificate.

42.   (Previously Presented) The system of claim 37 wherein said web browser uses secure

socket layer technology to establish said secure web communication channel.

43.   (Previously Presented) The system of claim 37 wherein said identifier is a nonce.

44.   (Previously Presented) The system of claim 37 wherein said session key is substantially equivalent to a null value.

45.   (Previously Presented) The system of claim 37 wherein said null value is a constant value.

46.   (Previously Presented) A communications system for establishing a secure communication channel between a client and an application server comprising:

a ticket service generating a ticket associated with a client, said ticket having an identifier and a session key;

a web server in communication with said ticket service, said web server receiving a request from said client to have an application program executed on said client's behalf and to have output of said application program transmitted to said client, said web server transmitting said ticket to said client over a secure web communication channel;

an application server receiving said identifier from said ticket from said client, obtaining a copy of said session key from said web server, establishing an application communication channel with said client, executing said application program, transmitting output from said application program identified in said request to said client over said application communication channel via a remote display protocol, and encrypting said output using said session key.

47.   (Previously Presented) The system of claim 46 wherein said ticket service resides on said web server.

48.   (Previously Presented) The system of claim 46 wherein said application server obtains a copy of said session key from said web server in response to receiving said identifier from said client.

49.   (Previously Presented) The system of claim 46 wherein said web server validates said identifier.

50.   (Previously Presented) The system of claim 49 wherein said web server validates said identifier has not been previously received from said application server.

51.   (Previously Presented) The system of claim 49 wherein said web server validates said identifier is received by said web server within a predetermined time frame.

52.   (Previously Presented) The system of claim 49 wherein said web server transmits said session key to said application server over a server communication channel in response to receiving said identifier from said application server.

53.   (Previously Presented) The system of claim 52 wherein said server communication channel is a secure communication channel.

54.   (Previously Presented) The system of claim 52 wherein said web server transmits additional information to said application server over said server communication channel.

55.   (Previously Presented) The system of claim 54 wherein said additional ticket information further comprises login information of a user of said client.

56.   (Previously Presented) The system of claim 54 wherein said additional ticket information further comprises a name of a software application executing on said application server.

57.   (Previously Presented) The system of claim 49 wherein said client transmits a password of a user operating said client to said application server.

58.   (Previously Presented) The system of claim 49 wherein said ticket service transmits information corresponding to at least one of said client and a user operating said client to said application server.

59.   (Previously Presented) The system of claim 49 wherein said identifier is an application server certificate.

60.   (Previously Presented) The system of claim 49 wherein said identifier is a nonce.

61.   (Previously Presented) The system of claim 49 wherein said session key is substantially equivalent to a null value.

62.   (Previously Presented) The system of claim 49 wherein said null value is a constant value.

63.   (Previously Presented) The system of claim 49 wherein said secure web communication channel is established using secure socket layer technology.

64.   (Previously Presented) The method of claim 12 wherein said ticket is generated by a ticket service.

65.   (Previously Presented) The method of claim 64 wherein said ticket service resides on said web server.

66.   (Previously Presented) The method of claim 12 wherein said identifier is an application server certificate.

67.   (Previously Presented) The method of claim 12 wherein step (b) further comprises using secure socket layer technology to establish said secure web communication channel.

68.   (Previously Presented) The method of claim 12 wherein step (e) further comprises transmitting a password to said application server.

69.   (Previously Presented) The method of claim 12 wherein said session key is substantially equivalent to a null value.

70.   (Previously Presented) The method of claim 12 wherein said session key is substantially equivalent to a null value.

71.   (Previously Presented) The method of claim 13 wherein said ticket is generated by a

ticket service.

72.   (Previously Presented) The method of claim 13 wherein said ticket service resides on said

web server.

73.   (Previously Presented) The method of claim 13 wherein step (c) further comprises

transmitting by said application server said identifier to said web server over a server

communication channel.

74.   (Previously Presented) The method of claim 71 wherein said application server receives a

response to transmitting said identifier to said web server, said response including said session

key.

75.   (Previously Presented) The method of claim 71 wherein said web server validates said

identifier.

76.   (Previously Presented) The method of claim 72 wherein said web server validates said

identifier is received by said web server within a predetermined time frame.

77.   (Previously Presented) The method of claim 13 wherein said identifier is an application

server certificate.

78.   (Previously Presented) The method of claim 13 wherein said session key is substantially

equivalent to a null value.

79.   (Previously Presented) The method of claim 13 wherein said null value is a constant

        value.

80.   (Previously Presented) The method of claim 1 wherein said identifier is a nonce.

81.   (Previously Presented) The method of claim 1 wherein said identifier is an application

server certificate.

82.   (Previously Presented) The method of claim 1 wherein step (j) further comprises

decrypting communications from said application server using said session key.

83.   (Previously Presented) The method of claim 1 wherein said remote display protocol is the

Independent Computing Architecture protocol.

84.   (Currently Amended) The method of claim 1 wherein said remote display protocol is the

Remote Desktop ~~Display~~ Protocol.

85.   (Previously Presented) The method of claim 12 wherein step (g) further comprises

encrypting communications to said application server.

86.   (Previously Presented) The method of claim 12 wherein said remote display protocol is

the Independent Computing Architecture protocol.

87.   (Currently Amended) The method of claim 12 wherein said remote display protocol is the

Remote Desktop ~~Display~~ Protocol.

88.   (Previously Presented) The method of claim 13 wherein step (g) further comprises

decrypting communications from said client.

89.   (Previously Presented) The method of claim 13 wherein said remote display protocol is

the Independent Computing Architecture protocol.

90.   (Currently Amended) The method of claim 13 wherein said remote display protocol is the

Remote Desktop ~~Display~~ protocol.

91.   (Previously Presented) The system of claim 37 wherein said remote display protocol is

the Independent Computing Architecture protocol.

92.   (Currently Amended) The system of claim 37 wherein said remote display protocol is the

Remote Desktop ~~Display~~ Protocol.

93.   (Previously Presented) The system of claim 37 wherein said client encrypts

communications to said application server using said session key.

94.   (Previously Presented) The system of claim 46 wherein said remote display protocol is

the Independent Computing Architecture protocol.

95.   (Currently Amended) The system of claim 46 wherein said remote display protocol is the

Remote Desktop ~~Display~~ Protocol.

96.   (Previously Presented) The system of claim 46 wherein said application server decrypts

communications from said client using said session key.